

take *Agriades coridon* ab. *semisyngrapha* in South Cambridgeshire, and saw one almost at once, but failed to catch it owing to high wind. Later I caught three perfect and one battered specimen. Many males and several females of *A. coridon* were found just emerged, and amongst them a number of crippled specimens were noticed, and a crippled female of *E. jurtina*. Freshly emerged *P. cardui* and *P. atlanta* were also seen, and in addition some larvae of the latter. I determined to try again the next week, and left on Saturday evening, joining Mr. Jackson, who had come down earlier in the day, but, owing to dull weather, had only caught three of the variety.

Sunday started with torrents of rain, but about 11.30 the sky cleared and we had a fairly sunny day. *A. coridon* flew well, and we both got a good many fine ab. *semisyngrapha*, though there were a good many more or less damaged.

I stayed on till Monday evening, and altogether caught more than thirty, from which I shall be able to pick out a fine series. One example has a border of pale spots to the forewings, and pale radiations running out from the base and nearly reaching them and with blue markings replaced by green; two others have the blue area on the fore-wings extending considerably beyond the central spot. *Vanessa io*, in fine condition, was common, but not many *P. cardui* were seen, and *E. tithonus* was becoming scarcer. A few *Polyommatus icarus*, with blue females, *Aricia medon (astrache)*, and several *Urbicola comma* were seen. Two *Chattendenia w.-album* were caught on umbelliferous plants. The following *Noctuae* were noticed flying in the sunshine or feeding on knapweed between 12 a.m. and 3 p.m. *Charaxes graminis*, *Hydrocacia nictitans*, *Leucania conigera*, *L. pallens*, *Caradrina blanda* and *Dianthoccia cucubali*.

Already the year has been remarkable for the abundance of the Vanessids, of *Celastrina argiolus* and *Drepana binaria (hamula)* in the Spring. Of the second broods of these insects, I have seen a good many *V. io*, a few *P. cardui* and *A. urticae*, but only a solitary *C. argiolus*. Larvae of *P. atlanta* are common even in the Hampstead garden suburb, and if the weather improves there is still hope of an unusual number of these lovely butterflies in our gardens. The brilliant weather of the spring caused the early appearance of many insects and greatly favoured them, but I fear the continuous wet weather of the last few weeks will have a disastrous effect on many species.

Notes on the Distribution of the Blattidæ.

By the late R. SHELFORD, M.A., F.Z.S., F.E.S.

Edited by MALCOLM BURR, D.Sc., F.L.S., F.E.S.

Genera peculiar to the Palaearctic Region :—

Sub-fam. BLATTINÆ, *Shelfordella*.

Sub-fam. CORYDIHNÆ, *Anisogamia*, *Nymphytria*.

Total = 3.

Genera peculiar to the Oriental Region :—

Sub-fam. ECTOBINÆ, *Pseudectobia* (s. str.).

Sub-fam. PSEUDOMOPINÆ, *Pseudothyrsoecra*, *Pachnepteryx*, *Duryodana*, *Desmosia*.

Sub-fam. EPILAMPRINÆ, *Thorax*, *Phlebonotus*, *Apsidopis*, *Compsolampra*, *Morphna*, *Opisthoplatia*, *Pseudophoraspis*.

Sub-fam. BLATTINÆ, *Thyrsocera*, *Miroblatta*, *Catara*, *Protagnista*, *Archiblatta*, *Nocticola*, *Spelaeoblatta*.

Sub-fam. PANCHLORINÆ, *Pycnoscelus* (excluding *P. surinamensis*, L.).

Sub-fam. CORYDIINÆ, *Corydia*, *Homopteroidea*, *Caradax**, *Ergaula*.

Sub-fam. OXYHALOINÆ, *Areolaria*.

Sub-fam. PERISPHERINÆ, *Glyptopeltis*, *Perisphaeria*, *Pseudogloemeris*, *Stilpnoblatta*, *Trichoblatta*.

Sub-fam. PANESTHIINÆ, *Microdina*, *Caesparia*, *Miopanesthia*, *Mylacrina*.

Total = 34.

The Japanese genus *Kurokia*, Shiraki, is omitted from this analysis as the description of it is too imperfect to be of any diagnostic value.

Genera peculiar to the Australian Region :—

Sub-fam. ECTOBINÆ, *Escala*.

Sub-fam. PSEUDOMOPINÆ, *Ellipsidion*, *Paratemnopteryx*.

Sub-fam. EPILAMPRINÆ, *Molytria*, *Ataxigamia*, *Derocardia*.

Sub-fam. BLATTINÆ, *Polyzosteria*, *Fuzosteria*, *Leptozosteria*, *Zonio-ploca*, *Cosmозosteria*, *Anamesia*, *Desmозosteria*, *Tennelytra*, *Scabina*.

Sub-fam. PANCHLORINÆ, *Oniscosoma*.

Sub-fam. OXYHALOINÆ, *Choristima*, *Ectoneura*.

Sub-fam. PERISPHERINÆ, *Tepperia*.

Sub-fam. PANESTHINÆ, *Hemipanesthia*, *Heteroplana*, *Geoscapheus*, *Macropanesthia*.

Total = 23.

Genera peculiar to the Ethiopian Region :—

Sub-fam. ECTOBINÆ, *Theganopteryx*, *Mallatoblatta*.

Sub-fam. PSEUDOMOPINÆ, *Chrastoblatta*, *Piroblatta*, *Anallacta*, *Apteroblatta*.

Sub-fam. EPILAMPRINÆ, *Hedaia*, *Enstegasta*.

Sub-fam. BLATTINÆ, *Paramethana*, *Cartoblatta*, *Pseudoderopeltis*, *Deropeltis*.

Sub-fam. PANCHLORINÆ, *Phenacisma*, *Pseudogyna*, *Gyna*, *Rhyparobia* (excluding *R. maderae*, Fab.), *Pronauphoeta*, *Heminauphoeta*.

Sub-fam. CORYDIINÆ, *Ipisoma*, *Tivia*, *Anacompsa*.

Sub-fam. OXYHALOINÆ, *Peraplecta*, *Griffinicilla*, *Anareolaria*, *Evea*.

Sub-fam. PERISPHERINÆ, *Gynopeltis*, *Aptera*, *Ellipsica*, *Elliottoblatta*, *Gymnonyx*, *Pronaonota*, *Pilema*, *Cyrtotria*, *Bantua*, *Platysilpha*, *Derocalymma*, *Isoniscus*, *Melanoblatta*, *Hostilia*, *Pocciloblatta*, *Hypsphaeria* (*Melanosilpha*), *Homaloblatta*, *Blepharodera*, *Thliptoblatta*, *Karnya*, *Thoracopyga*, *Ateloblatta*, *Gromphadorrhina*, *Aeluropoda*.

Total = 49.

Genera peculiar to the Nearctic Region :—

None.

Genera peculiar to the Neotropical Region :—

Sub-fam. ECTOBINÆ, *Phorticolea*.

Sub-fam. PSEUDOMOPINÆ, *Caloblatta*, *Pseudischnotera*, *Macrophyllodromia*, *Paraceratinoptera*, *Anisopygia*.

Sub-fam. NYCTIBORINÆ, *Nyctibora*, *Eunyctibora*, *Paratropes*, *Heminyctibora*, *Megaloblatta*.

* Nom. nov. for *Cardax*, Shelford (pre-occ.).

- Sub-fam. EPILAMPRINÆ, *Phoraspis*, *Notolampra*, *Pinaconota*, *Tribonidea*, *Phoetalia*.
- Sub-fam. PANCHLORINÆ, *Pelloblatta*, *Anchoblatta*, *Achrooblatta*, *Triconium*, *Tribonidium*, *Zetobora*, *Phortiaæca*, *Schizopilia*, *Capricina*, *Stenoblatta*, *Culama*.
- Sub-fam. BLABERINÆ, *Monachoda*, *Petasodes*, *Monistria*, *Blaptica*, *Byrsotria*, *Archimandrita*, *Blaberus*, *Hemiblabera*, *Cacoblatta*.
- Sub-fam. CORYDIINÆ, *Melestora*, *Latindia*, *Paralatinindia*, *Hypercompsa*, *Biolleya*.
- Sub-fam. OXYHALOINÆ, *Plectoptera* (*Anaptycta*), *Atticola*, *Hemipterota*, *Hypnorna*, *Calhypnorna*.
- Sub-fam. PERISPHERIINÆ, *Proscratae*, *Parasphaeria*, *Oxycerens*, *Mioblatta*, *Brachycola*, *Hormetica*, *Parahormetica*, *Dasyposoma*.
- Total = 54.
- Genera peculiar to the Palæarctic and Nearctic Regions (Holarctic):—
- Sub-fam. PANESTHYIINÆ, *Cryptocereus*.
- Total = 1.
- Genera peculiar to the Palæarctic and Ethiopian Regions :—
- Sub-fam. ECTOBINÆ, *Ectobius*, *Hololampra*.
- Total = 2.
- Genera peculiar to the Palæarctic, Oriental, and Ethiopian Regions :—
- Sub-fam. CORYDIINÆ, *Polyphaga*.
- Total = 1.
- Genera peculiar to the Oriental and Australian Regions :—
- Sub-fam. ECTOBINÆ, *Anaplectoidea*.
- Sub-fam. PSEUDOMOPINÆ, *Allacta*.
- Sub-fam. BLATTINÆ, *Platyzosteria*, *Cutilia*, *Methana*, *Eroblatta*.
- Sub-fam. OXYHALOINÆ, *Diploptera*, *Prosoplecta*.
- Sub-fam. PERISPHERIINÆ, *Peranauphoeta*.
- Sub-fam. PANESTHIINÆ, *Salganea*, *Panesthia*, *Dicellonotus*.
- Total = 12.
- Genera peculiar to the Oriental and Ethiopian Regions :—
- Sub-fam. BLATTINÆ, *Homalosilpha*, *Dorylaea*.
- Sub-fam. CORYDIINÆ, *Dyscologamia*, *Alluaudella*.
- Total = 4.
- Genera peculiar to the Oriental and Neotropical Regions :—
- Sub-fam. PSEUDOMOPINÆ, *Pseudophyllodromia*,
- Sub-fam. EPILAMPRINA, *Rhabdooblatta*.
- Total = 2.
- Genera peculiar to the Ethiopian and Neotropical Regions :—
- Sub-fam. PSEUDOMOPINÆ, *Paraloboptera*.
- Sub-fam. PANCHLORINÆ, *Nanphoeta*.
- Sub-fam. CORYDIINÆ, *Sphecoiphila*.
- Sub-fam. OXYHALOINÆ, *Oxyhaloa*.
- Total = 5.
- Genera peculiar to the Nearctic and Neotropical Regions :—
- Sub-fam. PSEUDOMOPINÆ, *Pseudomops*, *Attaphila*.
- Sub-fam. BLATTINÆ, *Eurycotis*.
- Sub-fam. CORYDIINÆ, *Homacogamia*.
- Sub-fam. OXYHALOINÆ, *Plectoptera*.
- Total = 5.